SPECIFICATIONS

Product Type	**Product type**	Single-lens reflex Live View digital camera with interchangeable lens system
	Memory	CompactFlash Type I/II, Microdrive, xD-Picture Card (Dual-Slot)
	Lens mount	Four Thirds Mount
Image Pickup Unit	**Product type**	High-speed Live MOS Sensor
	Effective pixels	10.1 million pixels
	Total pixels	Approx. 11.8 million pixels
	Aspect ratio	1.33 (4:3)
	Image sensor size	17.3 mm (H) x 13.0 mm (V) / 0.68 in. (H) x .512 in. (V)
	Filter array	Primary color filter (RGB)
	LPF	Fixed type
	IR cut filter	Hybrid type
	Dust reduction	Supersonic Wave Filter (dust reduction system for image sensor)
Recording	**Recording format**	DCF, DPOF compatible/Exif, PRINT Image Matching III
	File format	RAW (12-bit), JPEG, RAW+JPEG
	Recording image size	[RAW] 3648 x 2736 pixels [JPEG] 3648 x 2736 pixels - 640 x 480 pixels
	File size	RAW: 3648 x 2736 compressed Approx. 11MB Large: 3648 x 2736 Super fine (1/2.7 compressed) Approx. 6.8MB 3648 x 2736 Fine (1/4 compressed) Approx. 4.7MB 3648 x 2736 Normal (1/8 compressed) Approx. 2.2MB 3648 x 2736 Basic (1/12 compressed) Approx. 1.5MB Middle: 3200 x 2400 Super fine (1/2.7 compressed) Approx. 5.3MB 3200 x 2400 Fine (1/4 compressed) Approx. 3.7MB 3200 x 2400 Normal (1/8 compressed) Approx. 1.7MB

		3200 x 2400 Basic (1/12 compressed) Approx. 1.1MB 2560 x 1920 Super fine (1/2.7 compressed) Approx. 3.6MB 2560 x 1920 Fine (1/4 compressed) Approx. 2.2MB 2560 x 1920 Normal (1/8 compressed) Approx. 1.1MB 2560 x 1920 Basic (1/12 compressed) Approx. 0.7MB Small: 1600 x 1200 Super fine (1/2.7 compressed) Approx. 1.3MB 1600 x 1200 Fine (1/4 compressed) Approx. 0.8MB 1600 x 1200 Normal (1/8 compressed) Approx. 0.5MB 1600 x 1200 Basic (1/12 compressed) Approx. 0.3MB 1280 x 960 Super fine (1/2.7 compressed) Approx. 0.8MB 1280 x 960 Fine (1/4 compressed) Approx. 0.5MB 1280 x 960 Normal (1/8 compressed) Approx. 0.3MB 1280 x 960 Basic (1/12 compressed) Approx. 0.2MB 1024 x 768 Super fine (1/2.7 compressed) Approx. 0.5MB 1024 x 768 Fine (1/4 compressed) Approx. 0.4MB 1024 x 768 Normal (1/8 compressed) Approx. 0.2MB 1024 x 768 Basic (1/12 compressed) Approx. 0.1MB 640 x 480 Super fine (1/2.7 compressed) Approx. 0.2MB 640 x 480 Fine (1/4 compressed) Approx. 0.2MB 640 x 480 Normal (1/8 compressed) Approx. 0.1MB 640 x 480 Basic (1/12 compressed) Approx. 0.1MB
Viewfinder	**Product type**	Eye-level single-lens reflex viewfinder
	Field of view	Approx. 100%
	Viewfinder magnification	Approx.1.15x (-1m^{-1}, 50mm lens, infinity)
	Eye point	Approx. 20 mm (-1m^{-1})
	Diopter adjustment range	-3.0 - +1m^{-1}
	Focusing screen	Changeable at a service center (Neo Lumi-Micro Mat screen supplied, possible to change to grid mat type)
	Eyepiece shutter	Built-in type
	Eyecup	Interchangeable type EP-5/6/7, EP-7 is supplied (Magnifier Eyecup ME-1 is available)
	Viewfinder information	Aperture value, Shutter speed, Record mode, AF confirmation mark, Flash, WB, AE lock, Number of storable still images, Exposure compensation value, Metering mode, Battery warning, Exposure mode, AF frame (super impose), IS, Bracket, ISO value
Live View	**Live View**	Live MOS Sensor for still picture shooting is used, 100% field of view, Exposure adjustment pre-view, White balance adjustment pre-view, Gradation auto pre-view, Grid line displayable, 5x/7x/10x magnification possible, MF/S-AF, AF frame display, AF point display, Shooting information, Histogram.
	AF	Phase-difference detection system with mirror down.
Preview	**Preview Function (depth of field)**	Dedicated optical depth of field Preview button; function can also be assigned to Fn button
	Live Preview (Live View)	Can be checked when Fn button is set to Live Preview mode
Image stabilizer	**System**	Built in (Imager shift image stabilizer)
	Mode	2 modes (2 dimensional activation, 1 dimensional activation)
	Effective compensation range	Max. 5 EV steps (depends on lens and shooting conditions)
Monitor	**Product type**	HyperCrystal LCD (semi-transmissive TFT color LCD)
	Size	2.5 inches
	Total pixels	Approx. 230,000 pixels
	Playback field of view	100%

	Brightness control	Auto/Manual 15 levels
Focusing	**AF system**	TTL phase-difference detection system
	Focus mode	Single AF (S-AF) / Continuous AF (C-AF) / Manual Focus (MF) / S-AF + MF / C-AF + MF
	Focusing point	11 points full-twin cross AF sensor
	Focusing point selection	Single point, Group area, All points are selectable.
	AF luminance range	EV -2 to 19 (at 20°, ISO 100)
	AF illuminator	Built-in flash (external flash available)
	AF lock	Locked at first position of Shutter button in Single AF mode / AEL button (customizable)
	Focus tracking	Interlocked with Continuous AF mode
	Focus aid	Available
Exposure Control	**Metering system**	TTL open-aperture metering system (1) Digital ESP metering (49-point multi pattern metering) (2) Centre weighted average metering (3) Spot metering (approx. 2% for the viewfinder screen. Highlight / shadow bases are available)
	Metering range	EV 1 - 20 (Digital ESP metering, Centre weighted average metering, Spot metering) (At normal temperature, 50mm f2, ISO 100)
	Exposure mode	(1) P: Program AE (Program shift can be performed) (2) A: Aperture priority AE (3) S: Shutter priority AE (4) M: Manual
	Underwater program AE	Available to set to Fn button
	ISO sensitivity	AUTO (ISO 100 - 3200) / Manual (ISO 100 - 3200), 1/3 or 1 EV steps
	Exposure compensation	+/- 5 EV in 1/3, 1/2, 1 EV steps selectable
	AE lock	AEL button (customizable)
	Exposure bracketing	3 or 5 frames in 0.3, 0.7, 1EV steps selectable
	ISO bracketing	3 frames in 0.3, 0.7, 1EV steps selectable
White Balance	**Auto WB system**	Hybrid detection system with High speed Live MOS sensor and dedicated external sensor.
	Preset white balance	7 settings (3000K - 7500K) Lamp (3000K), Fluorescent 1 (4000K), Fluorescent 2 (4500K), Fluorescent 3 (6600K), Daylight (5300K), Flash (5500K), Cloudy (6000K), Shade (7500K)
	White balance compensation	+/- 7 steps in each R-B/G-M axis (in Auto WB / Preset WB mode / One touch WB)
	Custom white balance	1 setting can be registered at Kelvin temperature (2000K - 14000K)
	One-touch white balance	4 custom settings can be registered
	White balance bracketing	3 frames in 2, 4, 6 steps selectable in each R-G/G-M axis.
Color Mode	**Color matrix**	sRGB, Adobe RGB
Picture Mode	**Mode**	Vivid, Natural, Portrait, Muted, Monotone, Custom (default setting: Natural) In custom mode, basic 5 modes and adjustment is available.

	Adjustment parameter	Contrast, Sharpness and Saturation level available in 5 steps for Vivid, Natural, Portrait and Muted Contrast and Sharpness level available in 5 steps for Monotone. In custom mode, gradation level available in 4 steps.
	Filter effect	Yellow, Orange, Red or Green filter available for Monotone
	Picture tone	Sepia, Blue, Purple or Green tone available for Monotone
	Gradation	4 levels (auto, high key, normal, low key)
Shutter	**Product type**	Computerized focal-plane shutter
	Shutter speed	P(Ps), S, A, M mode: 60 - 1/8000 sec. Bulb: 1/3, 1/2, or 1EV steps selectable.
	Self-timer	Operation time: 12 sec., 2 sec. (cancel available)
	Remote cable release	Available (with optional RM-CB1 Remote cable.)
	Optical remote control	Operation time: 2 sec., 0 sec., bulb control available (with optional RM-1 remote control)
	Anti shock mode	Available (1 to 30 sec selectable)
Drive	**Drive mode**	Single-frame shooting, Sequential shooting H, Sequential shooting L, Self-timer, Remote control
	Sequential shooting speed	Approx. 5 frames/sec. in sequential shooting H, 1 to 4 fps selectable in sequential shooting L.
	Max. recordable pictures on sequential shooting	RAW mode: Max. 16 frames. JPEG mode: Depends on compression ratio and no. of pixels (Large normal mode: up to card capacity with SanDisk Extreme III or faster CF Cards)
Integrated Flash	**Built-in flash**	Retractable flash, GN=13 (ISO 100.m)
	Compatible external flash	FL-50R, FL-36R, FL-50, FL-36, FL-20, STF-22, SR-11
	Flash control mode	TTL Auto (TTL pre-flash mode), Auto, Manual
	Flash mode	Auto, Red-eye reduction, Red-eye reduction slow sync., Slow sync at 1st curtain, Slow sync at 2nd curtain, Fill-in, Manual (1/4, 1/16, 1/64), Off.
	Synchronization speed	1/250 sec. or less, Super FP up to 1/8000 sec.
	Flash intensity control	Up to +/- 3 EV in 1/3 EV steps
	Flash bracketing	3 frames in 0.3, 0.7, 1 EV steps selectable.
Wireless Flash Control	**Compatible external flash**	FL-50R, FL-36R
	Control method	Triggered and controlled by built-in flash light
	Flash control mode	TTL Auto (TTL pre-flash mode), Auto, Manual, FP TTL Auto, FP Manual.
	Number of channels	4 channels
	Group setting	3 groups
Control panel	**Information**	WB setting, WB compensation notification, B/W mode notification, Record mode, Exposure mode, ISO sensitivity BKT notification, Flash mode, Drive mode, Recordable still image number, Storable number of images, Exposure compensation value, Metering mode, Activated AF points, Focusing mode.
	Back light timer	8 sec.

Super control panel	**Information (shooting)**	Exposure mode, Shutter speed, Aperture value, Exposure compensation value bar, Exposure compensation value Flash compensation value bar, Flash compensation value, ALE notification, Flash compensation notification NR notification, BKT notification, AF illuminator deactivated notification, Color space, Flash mode ISO sensitivity, Drive mode, WB setting, WB compensation value, Picture mode, Metering mode, Focusing mode File name, Image parameter, Gradation, Date, Storable number of images, Record mode, Battery warning.
	Information (shooting)	Exposure mode, Shutter speed, Aperture value, Exposure compensation value bar, Exposure compensation value Flash compensation value bar, Flash compensation value, ALE notification, Flash compensation notification NR notification, BKT notification, AF illuminator deactivated notification, Color space Wireless channel setting, Built-in flash intensity, Group setting
Playback	**Playback mode**	Single-frame, Index (4/9/16/25 frames), Calendar, Close-up (2 - 14X), Slideshow, Picture rotation (auto mode available), Light box
	Information display	Histogram (independent luminance / RGB available), Highlight / Shadow point warning, AF frame, Shooting information
Menu	**Languages**	US: English, French, Spanish, Portuguese Additional one language is possible to download.
Reset & custom setting	**Custom reset**	2 setting recordable
	My mode	2 setting recordable
Image Editing	**Erasing function**	Single frame, All frames, Selected frames
	Protect function	Single frame, Selected frames, Release protect (Single/All selected)
	Copy between media	Single frame, All frames, Selected frames
	RAW picture editing	RAW development
	JPEG editing	Resize (producing another file), Gradation auto
Print	**Print function**	Print reservation (DPOF), Direct print (PictBridge compatible)
Input/Output	**PC interface**	USB 2.0 High Speed for storage and camera control (MTP mode is available)
	Video connector	Video out (Video: NTSC/PAL selectable)
	Flash attachment	Hot shoe
	DC-in	Yes (AC-1 compatible)
Power Requirements	**Battery**	BLM-1 Li-ion battery (included) CR123 x 3 with LBH-1
	Sleep mode	Available (1, 3, 5, 10 min., off selectable)
	No. of recordable pictures (with 50% flash light)	Approx. 610 shots (optical viewfinder) (with BLM-1 under CIPA testing standard)
	Power battery holder	HLD-4 compatible
Dimensions/Weight	**Dimensions**	5.6 in. (W) x 4.58 in. (H) x 2.9 in. (D /(142.5 mm (W) x 116.5 mm (H) x 74.5 mm (D) (excluding protrusions)
	Weight	1.79 lbs./810 g (body only)
Operating Environment	**Temperature**	0 - 40° (operation) / -20 - 60° (storage)
	Humidity	30 - 90% (operation) / 10 - 90% (storage)

Splash proof	Yes
Box contents	E-3 body, Li-ion battery BLM-1, Li-ion battery charger BCM-2, USB cable, Video cable, Shoulder strap, OLYMPUS Master CD-ROM, Instruction manual, Warranty card.

Note: Specifications and design are subject to change without any notice or obligation on the part of the manufacturer.

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